

INCONTINENCE TREATING SPORTING OUTFITS

BACKGROUND OF THE INVENTION

Field of the Invention:

5 This invention relates to the manufacture method, composites and composition of incontinence treating sporting outfits. Especially, the composites composed of herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, olibanum, cinnamon, *Artemisia capillaris* Thb. mugwort are 10 prepared, pulverized, kneaded, matured, pelletized, selected, dried, formed, pasteurized, and sterilized to manufacture sporting outfits that treat incontinence. The effect of the outfits is; 1) preventing and treating incontinence, the bodily abnormality resulted from the weakened muscle of pelvis, by strengthening this muscle; 2) effectively eliminating stench of secretion in the vagina; 3) treating inflammation, leucorrhea, 15 physiological pain, physiological disorder, and facilitating circulation of the blood; 4) making sphincter muscle healthy by inducing its effective shrinkage and relaxation ; 5)making women's genitals still healthier and cleaner by mixing ceramic powder emitting far infrared rays with the above herbs; 6) ensuring mental stability and physical health by mixing aroma incense with the above herbs so that it can be exposed 20 inside and outside the vagina to stimulate user's skin and nerve. The manufacture method of incontinence treating sporting outfits using the above herbs is presented with their composites and composition.

Description of the Prior Art:

Generally, owing to pregnancy, delivery and aging, most women are suffering from the incontinence caused by the weakened sphincter muscle that opens and closes specific part of the body, namely, specific muscle composed of striated muscle, smooth muscle, voluntary muscle and involuntary muscle surrounding tubular organs such as 5 anus and urethra and controlling excretion.

Unlike tumor or other wasting disease, the above incontinence is not fatal to life, but the inconvenience and shame resulted from incontinence may cause isolation due to restriction in social activity and mental disorder.

10 The incontinence can be treated by preservation or operation. People say that it is ideal to strengthen the sphincter muscle by exercise, because the symptom is usually slight at the beginning. Based on this hypothesis, Arnold Kegel invented an exercise designed to strengthen the sphincter muscle, so-called Kegel exercise.

15 Kegel exercise is putting stress on the sphincter muscle that surrounds vagina, anus and urethra to strengthen it. It is said that repeating this exercise in 100-200 times a day, the closing power of urethra will be increased by shrinkage and relaxation, thereby helping considerably prevent and treat incontinence.

However, the above makeshift method takes a quite long time to get the effect of strengthening the muscle of pelvis. Moreover, it is quite difficult to exactly exercise the muscle of pelvis.

20 That is, the muscle of abdomen or buttocks is very likely to be shrunk instead of that of pelvis. So it is very difficult to objectively measure the exercise of muscle of pelvis.

Many incontinence treating sporting outfits were applied for patents in the past. Among them, the most representative models are utility model registration No. 214640 25 "Sporting outfits to strengthen women's sphincter muscle" that was applied and registered in the first place, utility model registration No. 215574 "Incontinence treating

instrument" and utility model registration No.230933 "Incontinence treating instrument".

The above incontinence treating instruments are basically composed of body made of metal or synthetic resin and withdrawing string or connecting rod attached to
5 the body.

The body of incontinence treating instruments in the above structure is inserted into the vagina.

If the body of treating instruments is inserted into the vagina, it is prone to move downward from inside the vagina owing to its own weight.

10 Then, the user voluntarily or involuntarily shrinks the sphincter muscle to prevent the body of treating instrument from coming out. In this way, the user repetitiously exercises to revert the body into the vagina, thereby repetitiously exercising the sphincter muscle.

15 The effect is maximized by repeating the above exercise in 1-3 times (approximately, 15-20 minutes for each) a day. After the exercise, the body is easily taken out by pulling the withdrawing string.

However, as the conventional instrument inserts body made of processed or injected metal into women's sensitive part, it could contaminate the inside of vagina.

20 Furthermore, the conventional technology is limited to merely treat incontinence without any effect in inflammation or stench in the vagina.

SUMMARY OF THE INVENTION

This invention relates to the manufacture method, composites and composition of incontinence treating sporting outfits. Especially, the composites composed of herbs such as *Torilis japonica*, *skullcap*, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum*

acutilobum, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, olibanum, cinnamon, *Artemisia capillaris* Thb. mugwort are prepared, pulverized, kneaded, matured, pelletized, selected, dried, formed, pasteurized, and sterilized to manufacture sporting outfits that treat incontinence. The effect of the 5 outfits is; 1) preventing and treating incontinence, the bodily abnormality resulted from the weakened muscle of pelvis, by strengthening this muscle; 2) effectively eliminating stench of secretion in the vagina; 3) treating inflammation, leucorrhea, physiological pain, physiological disorder, and facilitating circulation of the blood; 4) making women's genitals still healthier and cleaner by mixing ceramic powder 10 emitting far infrared rays with the above herbs; 5) ensuring mental stability and physical health by mixing aroma incense with the above herbs so that it can be exposed inside and outside the vagina to stimulate user's skin and nerve. The manufacture method of incontinence treating sporting outfits using the above herbs is presented with their composites and composition.

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BRIEF DESCRIPTION OF THE DRAWINGS

Figure 1 is a flow chart of a case explaining the manufacture method and composites of the incontinence treating sporting outfits of this invention.

20 Figure 2 is a flow chart of another case explaining the manufacture method and composites of the incontinence treating sporting outfits of this invention.

Figure 3 is a flow chart explaining the manufacture method added to that of the incontinence treating sporting outfits of this invention.

Figure 4 is separate a drawing explaining the structure of the incontinence 25 treating sporting outfits of this invention.

Figure 5 is a drawing that shows the combination state of the incontinence treating sporting outfits of this invention.

Figure 6 is a drawing that explains another structure of the incontinence treating sporting outfits of this invention.

5 Figure 7 is a drawing that show the combination state of figure 6 of this invention.

Figure 8 is a drawing that explains another structure of the incontinence treating sporting outfits of this invention.

10 Figure 9 is a drawing that show the combination state of figure 8 of this invention.

Figure 10 is a drawing that explains another structure of the incontinence treating sporting outfits of this invention.

Figure 11 is a drawing that show the combination state of figure 10 of this invention.

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<Explanation on marks of main parts of the drawing>

101-sporting outfits 102-attaching hole
103,123-sealing part 111-withdrawing part
112-attaching surface 113-attaching hole
20 114-connecting part 115-connecting ring
116-ball

DETAILED DESCRIPTION

Solving the conventional problems, This invention aims to; 1) prevent and treat
25 incontinence by strengthening the muscle of pelvis; 2) effectively eliminate the stench

of secretion in the vagina; 3) treat inflammation, leucorrhea, physiological pain, physiological disorder, and facilitate circulation of the blood; 4) make the sphincter healthy by inducing effective shrinkage and relaxation; 5) making women's genitals still healthier and cleaner; 6) ensuring mental stability and physical health.

5 For the above purpose, This invention includes 1) composites composed of herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, olibanum, cinnamon, *Artemisia capillaris* Thb. mugwort; 2) the manufacture of incontinence treating sporting outfits by preparing, pulverizing, 10 kneading, maturing, pelletizing, selecting, drying, forming, pasteurizing, and sterilizing the above composites; 3) mixing ceramic powder emitting far infrared rays with the above herbs; 4) mixing aroma incense with the above herbs and 5) combining withdrawing part to the sporting outfits made of the above herbs.

【Composition of the Invention】

15 The manufacture method in accordance with the demonstration case 1. of the incontinence treating sporting outfits made of herbs is explained in figure 1 in details.

The preparation of herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, olibanum, cinnamon, *Artemisia capillaris* Thb. mugwort,

the pulverization of the above herbs,

the kneading process in which the pulverized herbs are kneaded with added cohesive agent,

the maturing process in which the kneaded herbs are matured,

25 the pelletizing process in which the matured herbs are pelletized in specific size,

the selecting process in which the pelletized herbs are selected in regular size by selector,

the drying process in which the selected pellets are dried,
the forming process in which the dried pellets are formed in specific shape,
5 the pasteurizing and sterilizing process in which the shape of herbs are fixed along with pasteurization and sterilization.

The prepared herbs such as *Torilis japonica*, *skullcap*, *Rosa laevigata* , *Cnidium officinale*, *Ligusticum acutilobum*, *licorice root*, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, *olibanum*, *cinnamon*, *Artemisia capillaris* Thb. 10 *mugwort* are mixed by equivalent weight %.

During the pulverization, the herbs are pulverized by crusher or pulverizer in 100-300 mesh.

The cohesive agent for kneading process is mixture of mineral water and sunflower oil.

15 The herbs are naturally matured for 30-60 minutes.

The herbs are pelletized by mold to have diameter of 1-1.5mm.

The selector has nozzle whose diameter is above 1.5mm to let the pelletized herbs pass through.

The herbs are dried by hot wind drier.

20 The above forming process is composed of three steps; 1) putting the pelletized herbs into the mold of press that has specific shape ,

2)the pressurizing step in which the herbs in the mold are pressurized by press,

3) the taking out step in which the pressurized herbs are taken out.

During the pasteurizing and sterilizing process, the formed herbs are put into the 25 drying hearth to be solidified at the temperature below 60°C for 30-60 minutes and pasteurized/sterilized.

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 35-40 % to which olibanum of 40-50 weight % and 5 ceramic powder of 15-20% are added.

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 30-35 % to which olibanum of 50-60 weight % and 10 ceramic powder of 10-15 weight % are added.

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 44.5-50 % to which olibanum of 35-45 weight %, 15 ceramic powder of 10-15 weight % and aroma incense of 0.5-1.5 weight % are added.

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 29.5-35 % to which olibanum of 50-60 weight %, 20 ceramic powder of 10-15 weight % and aroma incense of 0.5-1.5 weight % are added.

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 24.5-30 % to which olibanum of 60-70 weight %, 25 ceramic powder of 5-10 weight % and aroma incense of 0.5-1.5 weight % are added.

And the process to assemble withdrawing part can be added to the incontinence treating sporting outfits made in the above demonstration case 1 as shown in figure 3.

That is to say, the following processes are added; the process of punching attaching hole on the sporting outfits to connect withdrawing part to the sporting 5 outfits made of the mixture of above herbs such as *Torilis japonica*, *skullcap*, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, *licorice root*, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, *cinnamon*, *Artemisia capillaris Thb.* *mugwort*,

the process in which sealing part that is to be inserted as the attaching hole of 10 above sporting outfits is processed,

the process in which withdrawing part that is combined as the sealing part is processed,

the ball connecting process in which ball is connected to the withdrawing part obtained in the above process,

15 the assembling process in which the withdrawing part and sealing part connected to the ball are assembled to the sporting outfits.

The manufacture method in accordance with another demonstration case of incontinence treating sporting outfits made of the herbs of the present is explained in the attached figure 2 in details.

20 It is composed of preparing herbs such as *olibanum*, *Ulmus darvidiana* for. *Suberosa*, *skullcap* and *ceramic powder*,

the pulverization in which the prepared herbs are pulverized,

the kneading process in which the pulverized herbs and ceramic powder are kneaded with added cohesive agents,

25 the maturing process in which the kneaded mixture are matured,

the pelletizing process in which the matured mixture are pelletized in specific size,

the selecting process in which the pelletized mixture are selected in regular size by selector,

5 the drying process in which the selected mixture are dried,

the forming process in which the dried pellets are formed in specific shape,

the pasteurizing and sterilizing process in which the shape of herbs is fixed along with pasteurization and sterilization.

And, in the above preparation are mixed olibanum of 30-40 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight %, skullcap of 10 weight % and ceramic powder of 45-50 weight %,

And, in the above preparation are mixed olibanum of 45-55 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight %, skullcap of 5 weight % and ceramic powder of 35-40 weight %,

15 And in the above preparation are mixed olibanum of 60-70 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight %, skullcap of 5 weight % and ceramic powder of 20-25 weight %,

The explanation on the composites of incontinence treating outfit of this invention is as follows.

20 The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, olibanum, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight.

25 The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort

are mixed by equivalent weight 35-40 % to which olibanum of 40-50 weight % and ceramic powder of 15-20 weight % are added,

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the 5 root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 40-50 % to which olibanum of 35-40 weight % and ceramic powder of 15-20 weight are added.

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the 10 root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 30-35 % to which olibanum of 50-60 weight % and ceramic powder of 10-15 weight % are added.

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the 15 root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 44.5-50 % to which olibanum of 50-60 weight %, ceramic powder of 10-15 weight % and aroma incense of 0.5-1.5 weight % are added.

The above herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the 20 root bark of various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort are mixed by equivalent weight 24.5-30 % to which olibanum of 60-70 weight %, ceramic powder of 5-10 weight % and aroma incense of 0.5-1.5 weight % are added.

The explanation on the composites of incontinence treating outfit of this invention in another case is as follows.

25 Ceramic powder is mixed with herbs such as olibanum, *Ulmus darvidiana* for. *Suberosa*, skullcap in the equivalent weight ratio.

And olibanum of 30-40 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 10 weight % are mixed with ceramic powder of 45-60 weight %

And olibanum of 45-55 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 5 weight % are mixed with ceramic powder of 35-40 weight %

And olibanum of 60-70 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 5 weight % are mixed with ceramic powder of 20-25 weight %

10 The full explanation on the structure of incontinence treating outfit made of herbs by This invention is made on the basis of figure 4 or figure 7.

An attaching hole(102) is formed at one side of sporting outfit(101) made of mixture of herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of 15 various araliaceous shrubs, cinnamon, *Artemisia capillaris* Thb. mugwort, being pressed at one side by the above attaching hole(102), the sealing part(103) is fixed,

pressing the attaching hole(113) by other side of the above sealing part(103), the withdrawing part(111) is fixed at the contacting surface(112),

20 connecting part(114) is lengthily connected to the rear side of the above withdrawing part(111),

ball(116) is connected to the terminal of the above connecting part(114) by connecting ring(115).

As shown in figure 4, the above sealing part(103) is formed, being separated from withdrawing part(111).

25 As shown in figure 6, the sealing part(123) is combined to withdrawing part(111).

And while the above sealing part(103) is made of monofilament, the withdrawing part(111) and connecting part(114) are made of silicone.

The above sealing part(103)(123), withdrawing part(111) and connecting part(114) are made of monofilament.

5 And the above sealing part(103)(123), withdrawing part(111) and connecting part(114) are made of polyethylene.

As described in figure 8 or figure 11, another structure of incontinence treating sporting outfit comprises sporting outfit(101)composed of mixture of herbs such as *Torilis japonica*, *skullcap*, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*,
10 *licorice root*, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, *cinnamon*, *Artemisia capillaris* Thb. *mugwort*, withdrawing part(111) contacting and fixing on the contacting surface(112) that makes semi-circular groove with one side of the above sporting outfit(101),

15 connecting part(114) that is lengthily connected to the rear side of the above withdrawing part(111),

and ball(116) or connecting ring(115) installed at the terminal of the above connecting part(114).

The above withdrawing part(111) and connecting part(114) are made of silicone or monofilament.

20 The withdrawing part(111) and connecting part(114) are made of polyethylene.

In accordance with the demonstration case 1, the manufacture method of this invention is fully explained as follows.

First of all, herbs such as *Torilis japonica*, *skullcap*, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, *licorice root*, *Ulmus darvidiana* for. *Suberosa*, the
25 root bark of various araliaceous shrubs, *olibanum*, *cinnamon*, *Artemisia capillaris* Thb. *mugwort* are prepared.

Among the above herbs, *Torilis japonica* is efficacious for frequent ailment owing to weakness, leucorrhea of uterus, activation of hormone for the lack of sexual hormone, severe itch caused by trichomonas vaginitis or inflammation of leucorrhea.

Among the above herbs, skullcap has the function of antibiotics, antiphlogistic and anodyne. Especially, it normalizes the cycle of menstruation and regulates it if it is excessive. It also stops bleeding in the case of excessive menstruation.

Among the above herbs, *Rosa laevigata* is efficacious for trickle or red heat while urinating, excessive urination, reduced urination, diabetes insipidus and leucorrhea. If used with the above *Torilis japonica*, it is especially efficacious for trichomonas vaginitis.

Among the above herbs, *Cnidium officinale* is efficacious for gynecological diseases such as physiological disorder, leucorrhea and physiological pain.

Among the above herbs, *Ligusticum acutilobum*, being used as blood-making medicine, is efficacious for gynecological diseases such as abnormality of limb and waist, menstrual disorder, infertility, hysteria, menopausal disorder. It is also good for analgesia, drainage and styptic treatment.

Among the above herbs, licorice root is 2-glucuron glycoside of glycirrhizin acid. Glycirrhizin, the sweetening ingredient of licorice root, has been used not only as antidote for intoxication by medicine or plant but also as agent harmonizing numerous medicines for its diverse antidoting effect such as sterilization, etc and alleviating fever.

Among the above herbs, *Ulmus darvidiana* for *Suberosa* not only shows broad antiphlogistic and antibiotic effect for inflammation but also beautifies women's skin. It is efficacious even to the uterine disease.

Among the above herbs, the root bark of various araliaceous shrubs is efficacious for defective kidney with poor urinating function, women's itchy genitals,

leucorrhea, styptic function and prevention of disease. Namely, it is widely used for its high adaptability.

Among the above herbs, olibanum normalizes menstruation, lessens physiological pain caused by stagnant extravasated blood and severe abdominal pain 5 caused by much extravasated blood in the uterus. It shows excellent antidoting and sterilizing effect, facilitates blood circulation by cleaning blood, cures abscess, leucorrhea as well as chilliness and fever and strengthens energy. If tumor is not cured for long, olibanum will promote healing up.

Among the above herbs, cinnamon is the dried bark of cinnamon tree. It is 10 efficacious for cold sweat. As aromatic medicine, it is mixed with various liquid for use.

Among the above herbs, Artemisia capillaris Thb. mugwort, having abundant vitamin A, is efficacious for disease of dermic mucous membrane. It is also effective to prevent cancer and the generation of carcinogen as well as to impede its proliferation.

15 The herbs with the above efficacies are mixed in the equivalent weight % in the preparation to be pulverized in the process of pulverization.

That is, the herbs are crushed or pulverized by crusher or pulverizer in the process of pulverization.

Then, they are pulverized in 100-300 mesh.

20 After the process of pulverization, they are mixed with cohesive agent to be kneaded.

Since the cohesive agent has viscosity, it condenses them well.

For above cohesive agent is used mineral water or sunflower oil.

The herbs with above cohesive agent can be kneaded manually or mechanically.

25 After kneading, the herbs need to be matured.

In principle, they should be naturally matured at normal temperature for approximately 30-60 minutes.

The matured herbs are pelletized in specific size by the pelletizing process.

The mold used for pelletizing the above herbs is composed of upper and lower 5 molds, each of which has several convex grooves in hemispheric shape with diameter of 1-1.5mm.

After putting the matured herbs into the convex grooves of above upper and lower mold, it is require to unite the upper and lower molds and to press them. Then, 10 detaching them, pelletized herbs in the shape of sphere with diameter of 1-1.5mm will be manufactured.

The pelletized herbs do not necessarily have to be exact spheric. Although they are oval, cubic or in any other irregular shape, they meet the purpose of this invention.

This is because pelletized herbs in various shapes can be made in accordance with the formation of convex grooves of upper and lower molds.

15 The pelletized herbs are selected in regular size by selector.

The selection is performed by passing the pelletized herbs through nozzle.

The selector has many nozzles which have holes of 1-1.5mm. So the pelletized herbs passing the holes are considered to be in the size of 1-1.5mm.

There is another selecting method using mesh.

20 After forming mesh with scale of 1-1.5mm, the pelletized herbs are put on the mesh. Then, the mesh is agitated to select pellet with required size. Those falling down are considered to be in the size of 1-1.5mm.

The selected pelletized herbs as above are dried in the drying process.

Hot wind drier is used in the above drying process.

25 Namely, if the above hot wind drier is installed in front of the nozzle, the pelletized passing the nozzle can be dried.

Moreover, if the above hot wind drier is installed under the mesh, the pelletized herbs passing the pore of mesh can be dried also.

The pelletized herbs dried in the above drying process are formed in the specific shape by the forming process.

5 For the above forming process, the pelletized herbs are put into the mold of press having specific shape,

then, the herbs in the mold are pressurized by press,

then, the pressurized and formed herbs are taken out as designed.

That is, after putting the pelletized herbs into the lower mold of press having
10 specific shape, combine the upper mold to lower mold and press them. Then, the pelletized herbs are condensed to have the same shape to that of the mold of press.

After returning the upper mold to the original position, take out the formed product, which is incontinence treating sporting outfits made of herbs.

15 The formed herbs in the above process is solidified to fix the formed shape, pasteurized and sterilized in the process of pasteurization and sterilization.

In the above process of pasteurization and sterilization, the herbs in the formed shape are put into the drying hearth, in which they are solidified, pasteurized and sterilized at temperature below 60°C for 30-60 minutes.

20 If olibanum of 40-50 weight % and ceramic powder of 15-25 weight % are added to the mixture of 35-40 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, pre-eminent effects will be ensured, namely facilitating blood circulation, preventing mildew by
25 strong antibiotic activity and eliminating stench.

Moreover, if olibanum of 35-40 weight % and ceramic powder of 15-20 weight % are added to the mixture of 40-50 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, 5 cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the purpose of present invention will be also achieved.

If olibanum of 50-60 weight % and ceramic powder of 10-15 weight % are added to the mixture of 30-35 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus 10 darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the purpose of 10 present invention will be also achieved.

If olibanum of 35-45 weight %, ceramic powder of 10-15 weight %, aroma incense of 0.5-1.5 weight % are added to the mixture of 44.5-50 weight % of herbs in 15 which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the following effects are ensured. Thanks to the ceramic powder, blood circulation will be facilitated and mildew will be prevented by strong antibiotic 20 activity and stench will be effectively eliminated. Simultaneously, aroma incense will considerably improve mental and psychological health by sterilization and deodorization.

And if olibanum of 50-60 weight %, ceramic powder of 10-15 weight % and aroma incense of 0.5-1.5 weight % are added to the mixture of 29.5-35 weight % of 25 herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of

various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the purpose of present invention will be also achieved.

Moreover, if olibanum of 60-70 weight %, ceramic powder of 5-10 weight % and aroma incense of 0.5-1.5 weight % are added to the mixture of 24.5-30 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the purpose of present invention will be also achieved.

Meanwhile, the process to assemble withdrawing part to the incontinence treating outfits completed in the above case 1 can be added in This invention.

This is because the above withdrawing plays a pivotal role in taking the treating outfit out of vagina.

To begin with, punch attaching hole in specific depth at one side of the sporting outfit formed by mixture of herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort.

Then, process sealing part that can be inserted as the attaching hole of the above sporting outfit.

Moreover, process withdrawing part that can be combined to the above sealing part.

Then, ball is connected to the withdrawing part by connecting ring.

The withdrawing part and sealing part to which ball is connected are to be assembled to the sporting outfit.

That is, if one side of sealing part is pressed and fixed by the attaching hole of above sporting outfit and the withdrawing part connected to ball, connecting ring and

connecting part is pressed and fixed by the other side of above sealing part, the sporting outfit combined with withdrawing part is prepared.

Meanwhile, the manufacture method in accordance with other case of this invention can be fully explained as follows.

5 To begin with, it is required to prepare herbs, olibanum, *Ulmus darvidiana* for. *Suberosa*, skullcap and ceramic powder.

By mixing ceramic powder of 45-50 weight % with olibanum of 30-35 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 10 weight %, the above ceramic powder facilitates blood circulation and prevents the inhabitation of 10 mildew.

Moreover, by mixing ceramic powder of 20-25 weight % with olibanum of 45-55 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 5 weight %, the purpose of present invention can be also achieved.

And by mixing ceramic powder of 20-25 weight % with olibanum of 60-70 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 5 weight %, the purpose of present invention can be also achieved.

And the herbs in the above preparation are pulverized by pulverizer or crusher.

Then, the pulverized herbs are mixed with cohesive agent to be kneaded.

The condensed and kneaded mixture is naturally matured for 30-60 minutes.

20 The matured mixture is pelletized in the diameter of 1-1.5mm by the above upper and lower molds.

Being passed through nozzle with diameter above 1.5mm, the above pelletized mixture is selected by selector.

The above selected pellet mixture is dried by hot wind drier.

25 The above dried pellet mixture is formed by molds to have specific shape.

After the above forming process, during the pasteurizing and sterilizing process, the formed mixtures are put into the drying hearth to be solidified, pasteurized and sterilized at the temperature below 60°C for 30-60 minutes.

In the composites of incontinence treating outfit made of herbs, *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, olibanum, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in equivalent weight ratio.

Therefore, the ingredients of above mentioned herbs effectively eliminate the stench of secretion in the vagina and facilitate blood circulation, treating inflammation, leucorrhea, physiological pain and physiological disorder.

If olibanum of 40-50 weight % and ceramic powder of 15-20 weight % are added to the mixture of 35-40 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the pre-eminent effects of ceramic powder will facilitates blood circulation and prevents the inhabitation of mildew by strong antibiotic activity.

Moreover, if olibanum of 35-40 weight % and ceramic powder of 15-20 weight % are added to the mixture of 40-50 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the purpose of present invention will be also achieved.

And if olibanum of 50-60 weight % and ceramic powder of 10-15 weight % are added to the mixture of 30-35 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus*

darvidiana for. Suberosa, the root bark of various araliaceous shrubs, cinnamon and Artemisia capillaris Thb. mugwort are mixed in uniform weight ratio, the purpose of present invention will be also achieved.

If olibanum of 35-45 weight %, ceramic powder of 10-15 weight %, aroma incense of 0.5-1.5 weight % are added to the mixture of 44.5-50 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. Suberosa, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the following effects are ensured. Thanks to the ceramic powder, blood circulation will be facilitated and mildew will be prevented by strong antibiotic activity and stench will be effectively eliminated. Simultaneously, aroma incense will considerably improve mental and psychological health by sterilization and deodorization.

And if olibanum of 50-60 weight %, ceramic powder of 10-15 weight % and aroma incense of 0.5-1.5 weight % are added to the mixture of 29.5-35 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. Suberosa, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the purpose of present invention will be also achieved.

Moreover, if olibanum of 60-70 weight %, ceramic powder of 10-15 weight % and aroma incense of 0.5-1.5 weight % are added to the mixture of 24.5-30 weight % of herbs in which *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. Suberosa, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort are mixed in uniform weight ratio, the purpose of present invention will be also achieved.

Meanwhile, another case of incontinence treating outfit made of herbs by This invention can be explained as follows.

Adding ceramic powder to herbs such as olibanum, *Ulmus darvidiana* for. *Suberosa* and skullcap in the same weight ratio, the above olibanum normalizes 5 menstruation, eliminates abdominal pain, functions as antidote/germicide and facilitates blood circulation. And the skullcap shows antibiotic, antiphlogistic and analgesic effect. The ceramic powder facilitates blood circulation and shows excellent antibiotic activity and stench eliminating effect.

Mixing ceramic powder of 45-50 weight % with the above olibanum of 30-35 10 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 10 weight %, the purpose of present invention will be also achieved.

Mixing ceramic powder of 35-40 weight % with the above olibanum of 45-55 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 5 weight %, the purpose of present invention will be also achieved.

15 Mixing ceramic powder of 20-25 weight % with the above olibanum of 60-70 weight %, *Ulmus darvidiana* for. *Suberosa* of 5-10 weight % and skullcap of 5 weight %, the purpose of present invention will be also achieved.

Meanwhile the structure of incontinence treating outfit made of herbs by This invention can be explained as follows.

20 At the attaching hole(102) of sporting outfit(101) containing the mixture of herbs such as *Torilis japonica*, skullcap, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, licorice root, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, cinnamon and *Artemisia capillaris* Thb. mugwort, withdrawing part(111), connecting part(114) and ball(116), heavy part, are connected 25 to connecting ring(115) by sealing part(103).

As described in figure 8 and figure 9, the contacting surface(112) of sporting outfit(101) containing the mixture of herbs such as *Torilis japonica*, *skullcap*, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, *licorice root*, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, *cinnamon* and *Artemisia capillaris* Thb. *mugwort* is firmly attached to that of withdrawing part(111) and the above withdrawing part(111) and connecting part(114) are connected. Then, ball(116) is connected to the terminal of above connecting part(114).

As described in figure 10 and figure 11, the contacting surface(112) of sporting outfit(101) containing the mixture of herbs such as *Torilis japonica*, *skullcap*, *Rosa laevigata*, *Cnidium officinale*, *Ligusticum acutilobum*, *licorice root*, *Ulmus darvidiana* for. *Suberosa*, the root bark of various araliaceous shrubs, *cinnamon* and *Artemisia capillaris* Thb. *mugwort* is firmly attached to that of withdrawing part(111) and the above withdrawing part(111) and connecting part(114) are connected. Then, connecting ring(115) is connected to the terminal of above connecting part(114).

Namely, if the sporting outfit made of above herbs is inserted into vagina, the lower part of connecting part(114), connecting ring(115) and ball(116) are exposed outside the vagina.

Thus, if the above sporting outfit is placed in the vagina, it would move downward to come out by its own weight and the weight of ball(116).

Then, user shrinks the sphincter muscle at the vagina to prevent the above sporting outfit(101) from coming out of the vagina.

Owing to the shrunk sphincter muscle, the sporting outfit(101) moves upward to original position.

Repeating the above exercise, user can strengthen the sphincter muscle.

Completing the exercise of sphincter muscle, user can easily take out the sporting outfit(101) in the vagina by grasping and pulling out the ball(116) or connecting ring(115) exposed outside the vagina.

Meanwhile, the above sealing part(103) can be easily manufactured, 5 being formed separately from the withdrawing part(111) as described in figure 4 or figure 5.

Forming the above sealing part with the withdrawing part wholly as described in figure 6 or figure 7, the purpose of present invention will be also achieved.

Since the sealing part(103) described in figure 4 or figure 5 is made of 10 monofilament, the assembling part is solid. Moreover, the withdrawing part(111) and connecting part(114) are made of silicone for soft contact with the vagina.

Though the above sealing part(103)(123), withdrawing part(111) and connecting part(114) are all made of monofilament, the purpose of present invention will be also achieved.

15 Though the above sealing part(103)(123), withdrawing part(111) and connecting part(114) are all made of polyethylene, the purpose of present invention will be also achieved.